

B.Sc (Hons) Bioinformatics

For March 2014 Intake

CODE	SUBJECT	β YEAR			γ YEAR			δ YEAR			Requirement for Registration
		T1	T2	T3	T1	T2	T3	T1	T2	T3	
Core:											
TMT1171	MATHEMATICAL TECHNIQUES I		3								NONE
TCP1231	COMPUTER PROGRAMMING I		3								NONE
HMM1019	BASIC MEDICAL MICROBIOLOGY		3								NONE
HBC1019	BIOCHEMISTRY I		3								NONE
HCB1019	CELL BIOLOGY		3								NONE
TCP1241	COMPUTER PROGRAMMING II			3							TCP1231
HBC1029	BIOCHEMISTRY II			3							HBC1019
TDB2111	DATABASE SYSTEMS			3							NONE
HAP1019	ANATOMY AND PHYSIOLOGY OF MAJOR ORGAN SYSTEMS			3							NONE
TCE2311	DATA COMMUNICATIONS AND NETWORKING			4							NONE
TCS1011	DATA STRUCTURES AND ALGORITHMS					3					TCP1241
TIS2211	SYSTEM ANALYSIS AND DESIGN					3					TCP1241
TDB2121	DATABASE DESIGN AND MANAGEMENT					3					TDB2111
TMT1181	MATHEMATICAL TECHNIQUES II					3					TMT1171
HMB2019	INTRODUCTION TO MOLECULAR BIOLOGY						3				HBC1019 & HCB1019
HEM2019	PROBABILITY AND BIostatISTICS						3				TMT1171
HPT2029	INTRODUCTION TO HUMAN PATHOLOGY						3				HAP1019 & HBC1029
HHG1019	BASIC HUMAN GENETICS						3				NONE
HRD3019	PROJECT I								4		COMPLETED 60 CH EXCLUDING ARTS AND HUMANITIES SUBJECTS
HPC2019	INTRODUCTION COURSE IN PHARMACOLOGY								3		HAP1019 & HCB1019
HLP3019	LEGAL, MORAL AND ETHICAL ISSUES IN LIFE SCIENCES								3		NONE
HRD3019	PROJECT II									4	PROJECT 1
Major:											
HPB2019	BIOINFORMATICS PROGRAMMING I					3					NONE
TPR3411	PATTERN RECOGNITION					3					TCP1241
HPB2029	BIOINFORMATICS PROGRAMMING II						3				HPB2019
HPB2039	BIOINFORMATICS ALGORITHMS I								3		HPB2029
HPB3019	BIOINFORMATICS ALGORITHMS II									3	HPB2038 & HEM2019
TDM3341	DATA MINING AND MACHINE LEARNING SYSTEMS									3	HEM2019
HPB3029	PARALLEL COMPUTING									3	ECP2056 OR TCE2311
Industrial Training:											
HIT3019	INDUSTRIAL TRAINING								6		COMPLETED 60CH EXCLUDING ARTS & HUMANITIES SUBJECTS
Elective											
XXXXXX	ELECTIVE 1						3				
	ELECTIVE 2								3		
	ELECTIVE 3									3	
	ELECTIVE 4									3	
Arts and Humanities:											
MPU3343	BUSINESS & ENTREPRENEURSHIP IN MALAYSIA	3									NONE
MPU3213	BAHASA KEBANGSAAN A or FOREIGN LANGUAGE	3									NONE
XXXXXX	CO-CURRICULUM	2									NONE
MPU3143/MP U3123	BAHASA MELAYU KOMUNIKASI 2/TAMADUN ISLAM & TAMADUN ASIA					3					NONE
MPU3173/MP U3113	PENGAJIAN MALAYSIA 3/ HUBUNGAN ETNIK					3					NONE
Total Credit Hour : 122											